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| FORM PTO-1449   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>IMEC283.001AUS | APPLICATION NO.<br>10/663,340 |
| SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT<br><i>(USE SEVERAL SHEETS IF NECESSARY)</i> |  | APPLICANT<br>Rottenberg, et al.    |                               |
|   |  | FILING DATE<br>September 15, 2003  | GROUP<br>2818                 |

*ON 14 MAY 2004  
PATENT & TRADEMARK OFFICE*

| U.S. PATENT DOCUMENTS |   |                 |          |                |       |          |                              |
|-----------------------|---|-----------------|----------|----------------|-------|----------|------------------------------|
| EXAMINER INITIAL      |   | DOCUMENT NUMBER | DATE     | NAME           | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| <i>John</i>           | 1 | 4,211,488       | 07/08/80 | Kleinknecht    |       |          |                              |
|                       | 2 | 6,323,951 B1    | 11/27/01 | Borden, et al. |       |          |                              |
|                       | 3 | 2002/0027660 A1 | 03/07/02 | Borden, et al. |       |          |                              |
|                       | 4 | 2002/0085211 A1 | 07/04/02 | Borden, et al. |       |          |                              |
| <i>John</i>           | 5 | 2003/0043382 A1 | 03/06/03 | Borden, et al. |       |          |                              |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |  |
|------------------|--|--|
|                  | 6  | Sydot, et al., "Differential photoreflectance from modulation-doped heterojunctions", Applied Physics Letters, vol. 58, no. 9, pp. 948-950, (1991) |
| <i>John</i>      | 7  | International Search report dated March 24, 2004, for European Application No. 03 44 7186.   |

|  |             |                 |                 |
|--|-------------|-----------------|-----------------|
| EXAMINER   | <i>John</i> | DATE CONSIDERED | <i>05/04/05</i> |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 809; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. |             |                 |                 |

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| FOREIGN PATENT DOCUMENTS |                   |          |         |       |          |             |    |
|--------------------------|-------------------|----------|---------|-------|----------|-------------|----|
| EXAMINER<br>INITIAL      | DOCUMENT NUMBER   | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|                          |                   |          |         |       |          | YES         | NO |
| dhm                      | 1. WO 02/01584 A1 | 01/03/02 | PCT     |       |          | X           |    |

| EXAMINER<br>INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)   |   |   |   |  |  |
|---------------------|--|---|---|---|--|--|
|                     | 1.   | 2.  | 3.  | 4.  | 5.   | 6.   |
| dhm                 | WO 02/01584 A1   | 2. Muldavin, et al., "High-isolation CPW MEMS shunt switches-Part 1: Modeling", IEEE Transactions on Microwave Theory and Techniques, vol. 48, no. 6, pp. 1045-1052, (June 2000). | 3. Nguyen, et al., "Micromachined devices for wireless communications", Proceedings of IEEE, vol. 86, no. 8, pp. 1756-1768, (August 1998) | 4. Rebeiz, et al., "RF MEMS switches and switch circuits", IEEE Microwave Magazine, pp. 59-71, (December 2001). | 5. Tilmans, et al., "Wafer-level packaged RF-MEMS switches fabricated in a CMOS fab", IEEE, pp. 921-924, (2001). | 6. Yao, et al., "Micromachined low-loss microwave switches", IEEE Journal of Microelectromechanical Systems, vol. 8, no. 2, (June 1999). |
| dhm                 | 7. Yao, J. Jason, "Topical Review: RF MEMS from a device perspective", J. Micromech. Microeng., vol. 10, pp. R9-R38, (2000). |   |   |   |  |  |

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|--|-----------------|
| EXAMINER   | DATE CONSIDERED |
| 5/09/05  |                 |
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